

CLAIMS

What is Claimed is:

1. A respiratory mask, comprising:
an intraoral mouthpiece comprising:
 - 5 a substantially oval and bowed sheet of material having an inner surface, an outer surface, a top portion, a bottom portion, an upper edge, and a lower edge;
a central orifice through the approximate center of the substantially oval and bowed sheet of material;
 - 10 a tubular extension having a proximal end, a distal end, and a conduit, wherein the conduit of the tubular extension at the proximal end of the tubular extension feeds into the central orifice of the intraoral mouthpiece; and
a reinforced collar surrounding a portion of the tubular extension; and
wherein the substantially oval and bowed sheet of material is configured to
 - 15 fit between gums and lips of a person, extending upward and downward substantially parallel to the gums and teeth of the person beyond the gumline of the person, and extending posteriorly in the mouth of the person.
2. The respiratory mask of Claim 1, wherein the intraoral mouthpiece further comprises at least one notch having an open side and an apex positioned so that the
20 open side of the at least one notch is laterally centered on an edge of the substantially oval and bowed sheet of material and the apex is pointed toward the central orifice through the intraoral mouthpiece.
3. The respiratory mask of Claim 1, wherein the top portion of the sheet of material is offset in an anterior-posterior plane with respect to the bottom portion of the
25 intraoral mouthpiece.
4. The respiratory mask of Claim 1, further comprising a port extending through the tubular extension.

5. The respiratory mask of Claim 1, wherein the inner and outer surfaces of the substantially oval and bowed sheet of material of the intraoral mouthpiece are substantially smooth, and the upper and lower edges of the substantially oval and bowed sheet of material are substantially rounded.

5 6. The respiratory mask of Claim 1, wherein the intraoral mouthpiece is comprised of plastic, rubber, or silicone.

7. The respiratory mask of Claim 1, further comprising an intraoral oropharyngeal airway having a proximal end and a distal end wherein the intraoral oropharyngeal airway provides an extension of the conduit of the tubular extension into
10 the mouth of the person.

8. The respiratory mask of Claim 7, wherein the intraoral oropharyngeal airway has at least one row of notches towards the distal end of the intraoral oropharyngeal airway.

9. The respiratory mask of Claim 7, wherein the intraoral mouthpiece further
15 comprises a recess on the inner surface of the sheet of material, said recess configured to mate with the proximal end of the intraoral oropharyngeal airway and wherein the intraoral oropharyngeal airway is positioned such that the proximal end of the intraoral oropharyngeal airway mates with the recess on the sheet of material.

10. The respiratory mask of Claim 7, wherein the intraoral oropharyngeal
20 airway is slidably inserted into the distal end of the tubular extension of the respiratory mask such that the proximal end of the intraoral oropharyngeal airway is positioned outside the distal end of the tubular extension.

25

11. A respiratory mask, comprising

an intraoral mouthpiece comprising:

a substantially oval and bowed sheet of material having an inner surface, an outer surface, a top portion, a bottom portion, an upper edge, and a lower edge;

a central orifice through the approximate center of the substantially oval and bowed sheet of material;

a tubular extension having a proximal end, a distal end, and a conduit, wherein the conduit of the tubular extension at the proximal end of the tubular extension feeds into the central orifice of the intraoral mouthpiece; and

a reinforced collar surrounding a portion of the tubular extension; and
an external shield; and

wherein the substantially oval and bowed sheet of material is configured to fit between gums and lips of a person, extending upward and downward substantially parallel to the gums and teeth of the person beyond the gumline of the person, and extending posteriorly in the mouth of the person.

12. The respiratory mask of Claim 11, wherein the external shield is removably attached to the respiratory mask.

13. The respiratory mask of Claim 12 further comprising a multi-position locking mechanism to adjustably secure the position of the external shield relative to the intraoral mouthpiece.

14. The respiratory mask of Claim 11, wherein the external shield is affixed to the respiratory mask.

15. The respiratory mask of Claim 11, wherein the respiratory mask further comprises a nasal clamp affixed to the external shield.

16. The respiratory mask of Claim 11, wherein the external shield further comprises a plurality of slits in the external shield wherein said slits are configured to admit at least one external shield restraining strap.

17. The respiratory mask of Claim 15, wherein the nasal clamp comprises:
a first flap positioned to lie adjacent to one nasal opening of the person;
a second flap positioned to lie adjacent to the other nasal opening of the
person; and

5 an adjustable reinforcement member affixed to the first flap and the
second flap.

18. The respiratory mask of Claim 15, wherein the nasal clamp comprises:
a nasal mask having a first side and a second side;
padding affixed to the first side of the nasal mask; and
10 an adjustable reinforcement member affixed to the nasal mask.

19. The respiratory mask of Claim 11, wherein the external shield comprises:
a substantially oval invertible domed face shield having an inner side and
an outer side, and
padding affixed to the inner side of the substantially oval invertible domed
15 face shield.

20. The respiratory mask of Claim 11, wherein the external shield comprises a
substantially rectangular shield section.

21. A method for ventilating a patient with a respiratory mask said method
comprising the steps of:

20 inserting a respiratory mask into the mouth of the patient, said respiratory
mask comprising: an intraoral mouthpiece, a tubular extension, and a reinforced collar
surrounding a portion of the tubular extension;

positioning one hand over the face of the patient such that the thumb and
fingers can squeeze closed the nostrils of the patient and the hand of healthcare
25 provider can apply pressure onto the face of the patient;

applying pressure with the hand onto the face of the patient to press the
lips of the person toward the gums of the person; and

squeezing the nose of the patient with the thumb and at least one of the
fingers of the hand.

22. The method of Claim 21, further comprising the step of releasing the nose of the patient with the thumb and at least one of the fingers of the hand while the patient exhales.

5 23. The method of Claim 21 further comprising the step of positioning the chin of the patient with the hand to maintain an open airway of the patient.